

Active Recombinant Mouse RIKEN CDNA 2610109H07 Gene, His-tagged

Cat. No. 2610109H07Rik-053M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse 2610109H07Rikprotein was expressed in Murine myeloma cell line with a C-terminal 6-His tag.Gly26-Ile343.
Species	Mouse
Source	Mammalian Cells
ProteinLength	26-343 a.a.
Description	2610109H07Rik alsocalled neucrin (neural tissuespecific cysteine-rich protein) is a secreted,58 kDa, presumably glycosylated member of the draxin family of repulsiveguidance proteins. In mammals, it is expressed in developing neurons (axons),astroglia, and likely cells of the developing somite. Its expression appearsto be limited to the brain and spinal cord. Mouse 2610109H07Rik mRNA encodes343 amino acids (aa) that include a 25 aa signal sequence and a 318 aamature, secreted protein containing one potential N-linked glycosylation sitefollowed by a Cys-rich domain (aa 268-327).
Form	Lyophilized from a0.2 µm filtered solution in PBS with BSA as a carrier protein.
N-terminalSequence	Gly26
Molecular Weight	36.4 kDa

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Activity	Measured by its binding ability in a functional ELISA. When recombinant mouse 2610109H07Rik is immobilized at 2 µg/mL, recombinant human LRP-6 FcChimera binds with an apparent KD < 20 nM.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
SDS-PAGE	45-60kDa, reducing conditions
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	2610109H07Rik RIKEN cDNA 2610109H07 gene [<i>Mus musculus</i>]
Official Symbol	2610109H07Rik
Synonyms	2610109H07Rik; RIKEN cDNA 2610109H07 gene; Draxin; neucrin; dorsal repulsive axon guidance protein
Gene ID	70433
mRNA Refseq	NM_027426
Protein Refseq	NP_081702

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UniProt ID	Q6PAL1
Chromosome Location	4; 4 E1
Function	protein binding

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